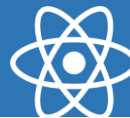


# IoT FOR MOBILE APP DEVELOPERS



IoT has been in the limelight for bringing an element of convenience and comfort to consumer electronics like water heaters, air conditioners, ovens, light bulbs etc. Consequently the trusted remote control is rapidly making way for mobile apps with eye catching user interfaces. These interfaces are augmented using data from multiple sensors like gyroscope, accelerometer etc that are present in the mobile device itself.

The advantage with the mobile app is that the user retains control over the appliance from anywhere with an Internet connectivity because both the appliance and the mobile app are connected to the same mobile backend system.

Industrial solutions are significantly more latency sensitive than consumer electronics. Therefore wireless Human Machine Interfaces, build over Android or proprietary platforms, are designed to work with a different architecture. The data backend for the HMI can be hosted directly on the equipment to reduce the latency involved with server communication. For other field assets lacking their own internet connectivity, the HMI can also double up as an Internet gateway.



Capsule Labs is founded by IoT industry veterans and offers foundational IoT projects to develop a better understanding of IoT solution. With our startup kits you can create projects to develop your Android skills.